

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims

1.15. (Canceled).

16. (Currently Amended) An antibody generated against a ~~the~~ polypeptide of claim 14 selected from the group consisting of:

- (i) an NTT polypeptide having the deduced amino acid sequence Figure 1; and,
- (ii) an NTT polypeptide encoded by the cDNA of ATCC Deposit No. 75713.

17-29. (Canceled)

30. (Currently Amended) An isolated antibody or fragment thereof that binds to a protein selected from the group consisting of:

- (a) a protein comprising amino acid residues 1 to 727 of SEQ ID NO:2, wherein said antibody binds to amino acid residues 1 to 727 of SEQ ID NO:2; and,
- (b) a protein comprising the human Neurotransmitter Transporter (NTT) polypeptide encoded by the cDNA contained in ATCC Deposit Number 75713, wherein said antibody binds to the human NTT polypeptide encoded by the cDNA contained in ATCC Deposit Number 75713.

31. (Previously Presented) The antibody or fragment thereof of claim 30 that binds protein (a).

32. (Previously Presented) The antibody or fragment thereof of claim 30 that binds protein (b).

33. (Previously Presented) The antibody or fragment thereof of claim 30 wherein said protein bound by said antibody or fragment thereof is glycosylated.

34. (Previously Presented) The antibody or fragment thereof of claim 30 which is a human antibody.

35. (Previously Presented) The antibody or fragment thereof of claim 30 which is a polyclonal antibody.

36. (Previously Presented) The antibody or fragment thereof of claim 30 which is a monoclonal antibody.

37. (Previously Presented) The antibody or fragment thereof of claim 30 which is selected from the group consisting of:

- (a) a chimeric antibody;
- (b) a humanized antibody;
- (c) a single chain antibody; and
- (d) a Fab fragment.

38. (Previously Presented) An isolated cell that produces the antibody or fragment thereof of claim 30.

39. (Previously Presented) A hybridoma that produces the antibody or fragment thereof of claim 30.

40. (Previously Presented) A method of detecting human NTT protein in a biological sample comprising:

- (a) contacting the biological sample with the antibody or fragment thereof of claim 30; and
- (b) detecting the human NTT protein in the biological sample.

41. (Previously Presented) An isolated antibody or fragment thereof obtained from an animal that has been immunized with a protein selected from the group consisting of:

(a) a protein comprising amino acid residues 1 to 727 of SEQ ID NO:2; and,
(b) a protein comprising the human Neurotransmitter Transporter (NTT)
polypeptide encoded by the cDNA contained in ATCC Deposit Number 75713.

42. (Previously Presented) The antibody or fragment thereof of claim 41 obtained from an animal immunized with protein (a).

43. (Previously Presented) The antibody or fragment thereof of claim 41 obtained from an animal immunized with protein (b).

44. (Currently Amended) The antibody or fragment thereof of claim 41 which is selected from the group consisting of:

- (a) ~~— a polyclonal antibody~~
- (b) ~~— a monoclonal antibody~~
- (c) ~~—~~ (a) a chimeric antibody;
- (d) ~~—~~ (b) a humanized antibody;
- (e) ~~—~~ (c) a single chain antibody; and,
- (f) ~~—~~ (d) a Fab fragment.

45. (Previously Presented) An isolated antibody or fragment thereof that binds the human NTT protein expressed on the surface of a recombinant host cell, wherein said host cell comprises a polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding amino acid residues 1 to 727 of SEQ ID NO:2; and,
- (b) a polynucleotide encoding the human NTT polypeptide encoded by the cDNA
in ATCC Deposit Number 75713,

wherein said polynucleotide is operably associated with a regulatory sequence that controls the expression of said polynucleotide.

46. (Currently Amended) The antibody or fragment thereof of claim 45 which is selected from the group consisting of:

- (a) — ~~a human antibody~~
- (b) — ~~a polyclonal antibody~~
- (c) — ~~a monoclonal antibody;~~
- (d) — (a) ___ a chimeric antibody;
- (e) — (b) ___ a humanized antibody;
- (f) — (c) ___ a single chain antibody; and,
- (g) — (d) ___ a Fab fragment.

- 47. (New) The antibody or fragment thereof of claim 45 which is a human antibody.
- 48. (New) The antibody or fragment thereof of claim 45 which is a polyclonal antibody.
- 49. (New) The antibody or fragment thereof of claim 45 which is a monoclonal antibody.
- 50. (New) The antibody or fragment thereof of claim 44 which is a polyclonal antibody.
- 51. (New) The antibody or fragment thereof of claim 44 which is a monoclonal antibody.